



# Marine Corps Spectrum Management

CWO4 Arthur DeLeon  
Spectrum Management Officer  
Headquarters, U.S. Marine Corps



24 Jul 2012

<b>Report Documentation Page</b>			<i>Form Approved OMB No. 0704-0188</i>	
<p>Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.</p>				
1. REPORT DATE <b>24 JUL 2012</b>	2. REPORT TYPE	3. DATES COVERED <b>00-00-2012 to 00-00-2012</b>		
4. TITLE AND SUBTITLE <b>Marine Corps Spectrum Management</b>		5a. CONTRACT NUMBER		
		5b. GRANT NUMBER		
		5c. PROGRAM ELEMENT NUMBER		
6. AUTHOR(S)		5d. PROJECT NUMBER		
		5e. TASK NUMBER		
		5f. WORK UNIT NUMBER		
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) <b>Headquarters, U.S. Marine Corps, Command, Control, Communications and Computers (C4),3000 Marine Corps Pentagon, Washington,DC,20350-3000</b>		8. PERFORMING ORGANIZATION REPORT NUMBER		
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)		10. SPONSOR/MONITOR'S ACRONYM(S)		
		11. SPONSOR/MONITOR'S REPORT NUMBER(S)		
12. DISTRIBUTION/AVAILABILITY STATEMENT <b>Approved for public release; distribution unlimited</b>				
13. SUPPLEMENTARY NOTES <b>Presented at the Pacific Spectrum Management Conference, July 23-26, 2012, Camp H.M. Smith, HI</b>				
14. ABSTRACT				
15. SUBJECT TERMS				
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT <b>Same as Report (SAR)</b>	18. NUMBER OF PAGES <b>12</b>
a. REPORT <b>unclassified</b>	b. ABSTRACT <b>unclassified</b>	c. THIS PAGE <b>unclassified</b>		

# Spectrum Planning Section

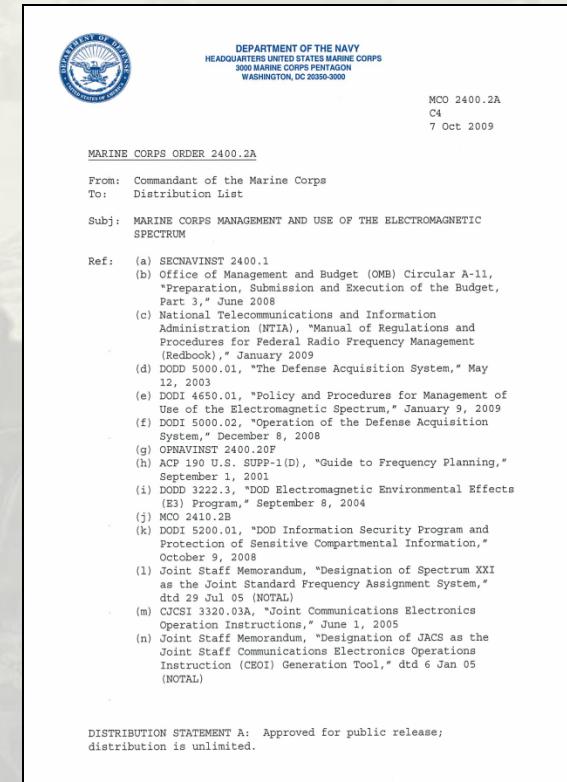
---

- Mission
  - Establish Marine Corps policy, provide oversight, guidance and procedures relating to the proper and efficient management of the electromagnetic spectrum
  - Provide Marine Corps representation (at the policy level) to various national, DoD, Joint, and DON organizations, working groups and forums
  - Provide administrative, technical and operational support to the Operating Forces (OPFOR) and Supporting Establishment (SE) in support of Marine Corps electromagnetic spectrum operational requirements



# Marine Corps Order 2400.2A

- Marine Corps Management and Use of the Electromagnetic Spectrum
  - Establishes policy, guidance and procedures
  - Provides command relationships and specific roles and responsibilities
    - Ensures spectrum supportability and Host Nation Coordination (HNC) are considered during the acquisition process/system lifecycle
    - Ensures consideration of the electromagnetic spectrum during all phases of MAGTF planning
      - Standardizes and provides procedures in support of spectrum management operations



# Joint Electromagnetic Spectrum Operations

## ■ JEMSO

- The purpose of joint doctrine is to enhance the operational effectiveness of U.S. joint forces.
- Joint doctrine reflects fundamental principles and best practices, based on extant capabilities and incorporating changes derived from lessons learned during operations, training, and exercises, and, when appropriate, validated concepts.

## ■ Marine Air Ground Task Force Electronic Warfare (MAGTF EW)

- MAGTF EW encompasses the ability for the EW Family of Systems to act in a collaborative manner to control the electromagnetic environment, when and where the commander deems necessary, thereby, ensuring our own unhindered access to the electromagnetic spectrum while denying the enemy of the same.
- A Concept for Marine Air-Ground Task Force Electronic Warfare 2020



# Ongoing USMC Issues

---

- Spectrum Supportability (SS)
  - Significant challenge during the acquisition process
    - ELCID (Standalone)
      - Procedural issues
      - Improvements to certification process
  - Unmanned Aerial Systems
    - Equipment certification
  - Operational requirements in support of OEF/OIF
    - Urgent Universal Needs Statements (UUNS)



# Ongoing USMC Issues (Cont.)

---

- Overseas Contingency Operations (OCO)
  - Afghanistan operational support
  - Personnel and training
  - Pre-deployment planning
- Continue spectrum supportability/certification/HNC efforts
- Training & Personnel
  - Coordinate with TECOM to reevaluate spectrum courses taught at Keesler



# Ongoing USMC Issues (Cont.)

---

- National level spectrum reallocation
  - Significant impact to day-to-day operations/training
  - Impacts across all functional areas
  - Coordinating with National level, DoD and DON stakeholders
- 2012 Goals & Challenges
  - National level spectrum reallocation
    - Required regulatory statuses and protections are provided
    - Identified alternative, comparable spectrum is made available
    - Sufficient funding is provided to complete the necessary modifications or replacements to affected systems
    - Protected exclusions zones can be established to ensure continued training and operations during the transition timeframes.



# Training

---

- Spectrum Operations Apprentice Course (SOAC)
  - 18 seats (annually)
- Joint Task Force (JTF) Spectrum Management Course
  - 18 seats (annually)
  - Remains unit funded
- Other Training Efforts
  - Development/implementation of SM curriculum at USMC formal school houses
    - Communications Officer Courses (MCB Quantico)
      - BCOC, ACOC and WOCC (WO and 2ndLt through Maj/LtCol)
    - Marine Corps Communications-Electronics School (MCCES)
      - Radio Chief and Comm Chief courses (SSgt through MGySgt)
  - NTIA Radio Frequency Management Course
    - WO/CWO and senior operational billets



# Personnel

---

- Spectrum Management Officer (MOS 0640)
  - 10 T/O billets (WO-CWO4)
    - Currently 100% staffed
    - Minor reorganization (MARFORCOM/MARCENT)
- Spectrum Manager (NMOS 0648)
  - 46 T/O billets (SSgt-MGySgt)
    - Currently 98% staffed
    - Continued challenges
- Civilian Positions
  - 16 T/O billets
    - Currently 100% staffed



# Personnel

---

- **Regimental Frequency Management (NMOS 0648)**
  - SSgt (E-6) 0629 EPLRS Supervisor
    - Active and Reserve
    - 12 Additional Billets
- **Marine Air Group Frequency Management (NMOS 0648)**
  - Identify Requirements
    - Active and Reserve
    - Associate with required billets



# Contact Information

---

## **CWO4 Arthur DeLeon**

Spectrum Management Officer  
COMM (571) 256-8830  
DSN (312) 260-8830  
NIPRNET arthur.r.deleon@usmc.mil  
SIPRNET arthur.deleon@usmc.smil.mil

## **Mr. Randy Peterson**

Spectrum Planner  
COMM (571) 256-8813  
DSN (312) 260-8813  
NIPRNET randolph.peterson@usmc.mil  
SIPRNET randolph.peterson@hqmc.usmc.smil.mil

## **Organizational E-mail Addresses**

NIPRNET hqmc\_c4\_spectrum@usmc.mil  
SIPRNET hqmc\_c4\_spectrum@hqmc.usmc.smil.mil



# Questions?

---

